

Table 38. Employed doctoral scientists and engineers, by sector of employment, broad occupation, and race/ethnicity: 2001

Employment sector/occupation	Total	White ¹	Black	Asian/Pacific Islander	Hispanic	American Indian/Alaskan Native
	[Number]					
All sectors.....	574,890	455,220	15,050	87,770	15,020	1,840
Scientists.....	352,320	284,050	8,780	48,130	10,140	1,220
Computer and information scientists.....	34,660	21,980	600	11,340	710	S
Mathematical scientists.....	21,900	16,890	540	3,810	610	S
Life and related scientists.....	107,850	85,180	2,150	17,240	3,000	280
Physical and related scientists.....	73,840	59,920	1,190	10,660	1,840	240
Social scientists.....	47,200	39,620	2,020	3,600	1,710	250
Psychologists.....	66,860	60,470	2,280	1,480	2,260	370
Engineers.....	75,420	50,400	1,200	21,880	1,780	160
Non-S&E occupations.....	147,150	120,770	5,070	17,760	3,100	450
Universities and 4-year colleges.....	245,060	200,660	8,000	27,720	7,830	840
Scientists.....	178,450	146,230	5,410	20,270	5,910	620
Computer and information scientists.....	8,080	6,190	170	1,550	170	S
Mathematical scientists.....	14,410	11,520	330	2,030	500	S
Life and related scientists.....	65,400	51,770	1,410	10,070	2,040	100
Physical and related scientists.....	32,190	27,000	620	3,440	970	160
Social scientists.....	34,850	29,200	1,670	2,470	1,260	240
Psychologists.....	23,510	20,550	1,210	700	970	80
Engineers.....	21,930	16,630	530	4,020	670	80
Non-S&E occupations.....	44,670	37,800	2,050	3,430	1,250	140
Other educational institutions.....	17,980	15,250	1,030	1,020	600	90
Scientists.....	10,770	9,330	390	700	320	S
Computer and information scientists.....	300	210	S	90	S	S
Mathematical scientists.....	840	700	S	130	S	S
Life and related scientists.....	2,180	1,980	S	150	S	S
Physical and related scientists.....	2,460	2,100	110	170	70	S
Social scientists.....	1,230	1,070	60	70	S	S
Psychologists.....	3,750	3,280	170	80	200	S
Engineers.....	250	170	S	80	S	S
Non-S&E occupations.....	6,960	5,750	630	230	270	60
Private-for-profit.....	196,940	140,210	3,440	48,950	3,890	440
Scientists.....	91,600	66,260	1,670	21,370	2,030	260
Computer and information scientists.....	23,120	13,260	370	9,000	470	S
Mathematical scientists.....	3,810	2,340	140	1,240	80	S
Life and related scientists.....	23,150	16,930	440	5,040	630	110
Physical and related scientists.....	25,860	19,500	360	5,520	430	50
Social scientists.....	3,220	2,660	S	370	140	S
Psychologists.....	12,440	11,560	320	200	280	80
Engineers.....	43,210	25,730	540	16,020	860	60
Non-S&E occupations.....	62,130	48,220	1,240	11,560	1,000	120
Self-employed.....	30,420	28,000	420	1,300	600	90
Scientists.....	19,630	18,390	290	480	400	70
Computer and information scientists.....	790	660	S	100	S	S
Mathematical scientists.....	280	270	S	S	S	S
Life and related scientists.....	1,620	1,450	S	100	50	S
Physical and related scientists.....	1,130	1,010	S	120	S	S
Social scientists.....	1,020	980	S	S	S	S
Psychologists.....	14,800	14,030	260	140	310	60
Engineers.....	1,920	1,690	S	180	S	S
Non-S&E occupations.....	8,870	7,920	120	640	180	S

See explanatory information and SOURCE at end of table.

Table 38. Employed doctoral scientists and engineers, by sector of employment, broad occupation, and race/ethnicity: 2001

Employment sector/occupation	Total	White ¹	Black	Asian/Pacific Islander	Hispanic	American Indian/Alaskan Native
Private not-for-profit.....	28,430	24,430	530	2,690	650	130
Scientists.....	16,040	13,880	150	1,530	390	90
Computer and information scientists.....	870	610	S	220	S	S
Mathematical scientists.....	820	680	S	100	S	S
Life and related scientists.....	4,110	3,550	S	460	70	S
Physical and related scientists.....	2,580	2,230	S	320	S	S
Social scientists.....	1,750	1,510	S	190	S	S
Psychologists.....	5,920	5,280	70	230	260	80
Engineers.....	2,100	1,510	S	470	90	S
Non-S&E occupations.....	10,290	9,050	360	690	160	S
Federal Government.....	38,050	31,950	970	4,180	810	130
Scientists.....	24,990	20,930	490	2,880	580	100
Computer and information scientists.....	1,080	830	S	210	S	S
Mathematical scientists.....	1,490	1,150	S	270	S	S
Life and related scientists.....	9,390	7,690	210	1,300	160	S
Physical and related scientists.....	7,880	6,720	90	830	210	S
Social scientists.....	3,190	2,750	120	270	60	S
Psychologists.....	1,970	1,790	S	S	100	S
Engineers.....	4,870	3,920	60	780	110	S
Non-S&E occupations.....	8,190	7,100	420	520	120	S
State and local government.....	16,580	13,750	620	1,680	440	90
Scientists.....	9,710	8,290	340	730	330	S
Computer and information scientists.....	380	200	S	150	S	S
Mathematical scientists.....	240	210	S	S	S	S
Life and related scientists.....	1,960	1,780	S	110	S	S
Physical and related scientists.....	1,670	1,330	S	190	140	S
Social scientists.....	990	780	60	130	S	S
Psychologists.....	4,470	3,990	220	110	140	S
Engineers.....	1,060	690	S	310	S	S
Non-S&E occupations.....	5,810	4,770	250	640	90	60
Other sector.....	1,430	960	S	230	200	S
Scientists.....	1,120	740	S	170	170	S
Computer and information scientists.....	S	S	S	S	S	S
Mathematical scientists.....	S	S	S	S	S	S
Life and related scientists.....	S	S	S	S	S	S
Physical and related scientists.....	90	S	S	60	S	S
Social scientists.....	940	660	S	80	150	S
Psychologists.....	S	S	S	S	S	S
Engineers.....	80	60	S	S	S	S
Non-S&E occupations.....	230	160	S	S	S	S

See explanatory information and SOURCE at end of table.

Table 38. Employed doctoral scientists and engineers, by sector of employment, broad occupation, and race/ethnicity: 2001

Employment sector/occupation	Total	White ¹	Black	Asian/Pacific Islander	Hispanic	American Indian/Alaskan Native
All sectors.....	100.0	79.2	2.6	15.3	2.6	0.3
Scientists.....	100.0	80.6	2.5	13.7	2.9	0.3
Computer and information scientists.....	100.0	63.4	1.7	32.7	2.1	S
Mathematical scientists.....	100.0	77.1	2.5	17.4	2.8	S
Life and related scientists.....	100.0	79.0	2.0	16.0	2.8	0.3
Physical and related scientists.....	100.0	81.1	1.6	14.4	2.5	0.3
Social scientists.....	100.0	83.9	4.3	7.6	3.6	0.5
Psychologists.....	100.0	90.4	3.4	2.2	3.4	0.6
Engineers.....	100.0	66.8	1.6	29.0	2.4	0.2
Non-S&E occupations.....	100.0	82.1	3.4	12.1	2.1	0.3
Universities and 4-year colleges.....	100.0	81.9	3.3	11.3	3.2	0.3
Scientists.....	100.0	81.9	3.0	11.4	3.3	0.3
Computer and information scientists.....	100.0	76.5	2.1	19.2	2.1	S
Mathematical scientists.....	100.0	79.9	2.3	14.1	3.5	S
Life and related scientists.....	100.0	79.2	2.2	15.4	3.1	0.2
Physical and related scientists.....	100.0	83.9	1.9	10.7	3.0	0.5
Social scientists.....	100.0	83.8	4.8	7.1	3.6	0.7
Psychologists.....	100.0	87.4	5.1	3.0	4.1	0.4
Engineers.....	100.0	75.8	2.4	18.3	3.0	0.4
Non-S&E occupations.....	100.0	84.6	4.6	7.7	2.8	0.3
Other educational institutions.....	100.0	84.8	5.7	5.7	3.3	0.5
Scientists.....	100.0	86.6	3.6	6.5	3.0	S
Computer and information scientists.....	100.0	68.5	S	29.0	S	S
Mathematical scientists.....	100.0	82.8	S	15.9	S	S
Life and related scientists.....	100.0	90.7	S	7.0	S	S
Physical and related scientists.....	100.0	85.4	4.6	7.0	2.7	S
Social scientists.....	100.0	86.7	4.9	5.8	S	S
Psychologists.....	100.0	87.3	4.5	2.2	5.4	S
Engineers.....	100.0	67.8	S	31.3	S	S
Non-S&E occupations.....	100.0	82.7	9.1	3.4	3.9	0.9
Private-for-profit.....	100.0	71.2	1.7	24.9	2.0	0.2
Scientists.....	100.0	72.3	1.8	23.3	2.2	0.3
Computer and information scientists.....	100.0	57.3	1.6	38.9	2.1	S
Mathematical scientists.....	100.0	61.5	3.8	32.7	2.1	S
Life and related scientists.....	100.0	73.1	1.9	21.8	2.7	0.5
Physical and related scientists.....	100.0	75.4	1.4	21.3	1.7	0.2
Social scientists.....	100.0	82.6	S	11.5	4.5	S
Psychologists.....	100.0	93.0	2.5	1.6	2.2	0.7
Engineers.....	100.0	59.6	1.2	37.1	2.0	0.1
Non-S&E occupations.....	100.0	77.6	2.0	18.6	1.6	0.2
Self-employed.....	100.0	92.0	1.4	4.3	2.0	0.3
Scientists.....	100.0	93.7	1.5	2.5	2.0	0.4
Computer and information scientists.....	100.0	83.6	S	13.1	S	S
Mathematical scientists.....	100.0	97.0	S	S	S	S
Life and related scientists.....	100.0	89.5	S	5.9	3.4	S
Physical and related scientists.....	100.0	89.4	S	10.5	S	S
Social scientists.....	100.0	95.4	S	S	S	S
Psychologists.....	100.0	94.8	1.8	1.0	2.1	0.4
Engineers.....	100.0	88.2	S	9.6	S	S
Non-S&E occupations.....	100.0	89.3	1.3	7.2	2.0	S

See explanatory information and SOURCE at end of table.

Table 38. Employed doctoral scientists and engineers, by sector of employment, broad occupation, and race/ethnicity: 2001

Employment sector/occupation	Total	White ¹	Black	Asian/Pacific Islander	Hispanic	American Indian/Alaskan Native
Private not-for-profit.....	100.0	85.9	1.9	9.4	2.3	0.5
Scientists.....	100.0	86.5	0.9	9.5	2.4	0.6
Computer and information scientists.....	100.0	70.6	S	25.8	S	S
Mathematical scientists.....	100.0	83.2	S	12.3	S	S
Life and related scientists.....	100.0	86.5	S	11.3	1.7	S
Physical and related scientists.....	100.0	86.7	S	12.5	S	S
Social scientists.....	100.0	86.6	S	11.0	S	S
Psychologists.....	100.0	89.3	1.1	3.9	4.4	1.3
Engineers.....	100.0	71.6	S	22.1	4.5	S
Non-S&E occupations.....	100.0	87.9	3.5	6.7	1.6	S
Federal Government.....	100.0	84.0	2.6	11.0	2.1	0.3
Scientists.....	100.0	83.8	2.0	11.5	2.3	0.4
Computer and information scientists.....	100.0	77.0	S	19.2	S	S
Mathematical scientists.....	100.0	77.5	S	17.9	S	S
Life and related scientists.....	100.0	81.9	2.2	13.9	1.7	S
Physical and related scientists.....	100.0	85.3	1.2	10.6	2.6	S
Social scientists.....	100.0	86.2	3.6	8.3	1.8	S
Psychologists.....	100.0	90.9	S	S	5.2	S
Engineers.....	100.0	80.4	1.2	16.0	2.3	S
Non-S&E occupations.....	100.0	86.8	5.2	6.4	1.5	S
State and local government.....	100.0	82.9	3.8	10.1	2.6	0.6
Scientists.....	100.0	85.3	3.5	7.5	3.4	S
Computer and information scientists.....	100.0	52.4	S	39.2	S	S
Mathematical scientists.....	100.0	86.4	S	S	S	S
Life and related scientists.....	100.0	91.0	S	5.8	S	S
Physical and related scientists.....	100.0	79.9	S	11.3	8.5	S
Social scientists.....	100.0	78.8	6.1	13.4	S	S
Psychologists.....	100.0	89.1	5.0	2.4	3.1	S
Engineers.....	100.0	65.0	S	29.5	S	S
Non-S&E occupations.....	100.0	82.1	4.3	11.0	1.6	1.0
Other sector.....	100.0	67.3	S	15.9	13.9	S
Scientists.....	100.0	66.2	S	14.7	15.3	S
Computer and information scientists.....	100.0	S	S	S	S	S
Mathematical scientists.....	100.0	S	S	S	S	S
Life and related scientists.....	100.0	S	S	S	S	S
Physical and related scientists.....	100.0	S	S	74.6	S	S
Social scientists.....	100.0	70.4	S	8.9	16.4	S
Psychologists.....	100.0	S	S	S	S	S
Engineers.....	100.0	77.8	S	S	S	S
Non-S&E occupations.....	100.0	68.9	S	S	S	S

¹ 'Other' race included with 'white'.

KEY: S=Suppressed due to too few cases (fewer than 50 weighted cases). S&E=science and engineering.

NOTES: The race/ethnicity data shown are for all doctoral recipients, including temporary residents. Numbers are rounded to nearest ten. Details may not add to total because of rounding.

SOURCE: National Science Foundation/Division of Science Resources Statistics, 2001 Survey of Doctorate Recipients